

ductruong

* * * * * * * * * * STN Columbus * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:34:06 ON 15 JUL 2009

=> file pnttext
COST IN U.S. DOLLARS
FULL ESTIMATED COST

| SINCE ENTRY | TOTAL SESSION |
|-------------|---------------|
| 0.22 | 0.22 |

FILE 'EPFULL' ENTERED AT 10:34:41 ON 15 JUL 2009
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FILE 'FRFULL' ENTERED AT 10:34:41 ON 15 JUL 2009
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FILE 'GBFULL' ENTERED AT 10:34:41 ON 15 JUL 2009
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FILE 'PATDPAFULL' ENTERED AT 10:34:41 ON 15 JUL 2009
COPYRIGHT (C) 2009 DPMA

FILE 'PCTFULL' ENTERED AT 10:34:41 ON 15 JUL 2009
COPYRIGHT (C) 2009 Univentio

FILE 'RDISCLOSURE' ENTERED AT 10:34:41 ON 15 JUL 2009
COPYRIGHT (C) 2009 Kenneth Mason Publications Ltd.

FILE 'USPATFULL' ENTERED AT 10:34:41 ON 15 JUL 2009
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATOLD' ENTERED AT 10:34:41 ON 15 JUL 2009
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 10:34:41 ON 15 JUL 2009
CA INDEXING COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

=> s shape memory resin#
L1 308 SHAPE MEMORY RESIN#

=> s l1 and glass transition temperature
L2 0 L1 AND GLASS TRANSTION TEMPERATURE

=> s l1 and glass transition temperature
L3 124 L1 AND GLASS TRANSITION TEMPERATURE

=> s l3 and Tg and Td
L4 13 L3 AND TG AND TD

=> s l4 and thermoreversible
L5 2 L4 AND THERMOREVERSIBLE

=> d 15 1-2

L5 ANSWER 1 OF 2 PCTFULL COPYRIGHT 2009 Univentio on STN
AN 2005056642 PCTFULL ED 20050628 EW 200525
TIEN RESHAPABLE SHAPE-MEMORY RESIN EXCELLING IN
 SHAPE RECOVERY CAPABILITY AND SHAPED ITEM OF THE RESIN HAVING BEEN
 CROSSLINKED
TIFR RESINE A MEMOIRE DE FORME REFACONNABLE PRESENTANT UNE CAPACITE DE

ductruong

RECUPERATION DE FORME EXCELLENTE ET ARTICLE FORME CONSTITUE DE LA RESINE
AYANT ETE RETICULEE

IN SHIMURA, Midori, c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku,
Tokyo 1088001, JP [JP, JPI];
INOUE, Kazuhiko, c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku,
Tokyo 1088001, JP [JP, JPI];
IJI, Masatoshi, c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku,
Tokyo 1088001, JP [JP, JPI]

PA NEC CORPORATION, 7-1, Shiba 5-chome, Minato-ku, Tokyo 1088001, JP [JP,
JPI], for all designates States except US;
SHIMURA, Midori, c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku,
Tokyo 1088001, JP [JP, JPI], for US only;
INOUE, Kazuhiko, c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku,
Tokyo 1088001, JP [JP, JPI], for US only;
IJI, Masatoshi, c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku,
Tokyo 1088001, JP [JP, JPI], for US only

AG MIYAZAKI, Teruo, 8th Floor, 16th Kowa Bldg., 9-20, Akasaka 1-chome,
Minato-ku, Tokyo 1070052, JP

LAF Japanese
LA Japanese
DT Patent
PI WO 2005056642 A1 20050623
DS W:
AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG
MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE
SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM
ZW
W-U: AE AL AM AT AZ BG BR BY BZ CN CO CR CZ DE DK EC EE EG ES
FI GE HU JP KE KG KP KR KZ LS MD MX MZ NI PH PL PT RU SK
SL TJ TR TT UA UG UZ YU
RW (ARIGO): BW GH GR KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
RW (BAGO): AM AZ BY KG KZ MD RU TJ TM
RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT
LU MC NL PL PT RO SE SI SK TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
RW-U (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
PRAI JP 2003-2003-415258 20031212
AI WO 2004-JP18490 A 20041210
ICM C08G085-00
ICS C08F008-00; C08G063-91; C08G064-42; C08L101-16

LS ANSWER 2 OF 2 USPATFULL on STN
AN 2007:169785 USPATFULL
TI Shape-memory resin performing
remoldability and excellent in shape recovering property, and molded
product composed of the cross-linked resin

IN Shimura, Midori, Tokyo, JAPAN
Inoue, Kazuhiko, Tokyo, JAPAN
Iiji, Masatoshi, Tokyo, JAPAN

PI US 20070148465 A1 20070628
AI US 2004-582675 A1 20041210 (10)
WO 2004-JP18490 20041210
20060612 PCT 371 date

PRAI JP 2003-415258 20031212
DT Utility
FS APPLICATION
LN.CNT 1487
INCL INCLM: 428/411.100

ductruong

INCLS: 521/040.000
NCL NCLM: 428/411.100
NCLS: 521/040.000
IC IPCI B32B0009-04 [I,A]; C08J0011-04 [I,A]; C08J0011-00 [I,C*]
IPCR B32B0009-04 [I,C]; B32B0009-04 [I,A]; C08G0063-00 [I,C*];
C08G0063-08 [I,A]; C08G0063-91 [I,A]; C08J0011-00 [I,C];
C08J0011-04 [I,A]; C08K0005-00 [I,C*]; C08K0005-12 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 14 1-13

L4 ANSWER 1 OF 13 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

AN 2003:99631 EPFULL
DUPD 20040526 DUPW 200422
TIEN SHAPE-MEMORY LAMINATED POLYBUTYLENE TEREPHTHALATE FILM, PRODUCTION
PROCESS AND USE THEREOF, AND PROCESS FOR PRODUCTION OF POLYBUTYLENE
TEREPHTHALATE FILM.
TIFR FILM LAMINE DE TEREPHTHALATE DE POLYBUTYLENE A MEMOIRE DE FORME, SON
PROCEDE DE FABRICATION, SES UTILISATIONS, ET PROCEDE DE PRODUCTION DE
FILMS DE TEREPHTHALATE DE POLYBUTYLENE.
IN Kagawa, Seiji, 304, 252-1, Akayama-cho 1-chome, Koshigaya-shi, Saitama
343-0807, JP
PA Kagawa, Seiji, 304, 252-1, Akayama-cho 1-chome, Koshigaya-shi, Saitama
343-0807, JP
PAN 1368996
DT Patent
LAF Japanese
LA English
LAP English
TL English; French
PIT WOAI International application published with search report
PI WO 2004026577 A1 20040401
DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE
SI SK TR
EXTENSION STATES: AL LT LV MK
AI EP 2003-797727 A 20030922
WO 2003-JP12102 A 20030922
PRAI JP 2002-275939 A 20020920
JP 2003-1533 A 20030107
JP 2003-1534 A 20030107
IC.VER 7
ICM B32B027-36
ICS B29C055-28

AN 2003:99631 EPFULL ED 20050629 UP 20090218
DUPD 20090218 DUPW 200908
TIEN SHAPE-MEMORY LAMINATED POLYBUTYLENE TEREPHTHALATE FILM, PRODUCTION
PROCESS AND USE THEREOF, AND PROCESS FOR PRODUCTION OF POLYBUTYLENE
TEREPHTHALATE FILM.
TIFR FILM LAMINE DE TEREPHTHALATE DE POLYBUTYLENE A MEMOIRE DE FORME, SON
PROCEDE DE FABRICATION, SES UTILISATIONS, ET PROCEDE DE PRODUCTION DE
FILMS DE TEREPHTHALATE DE POLYBUTYLENE.
TIDE LAMINIERTER POLYBUTYLENTEREPHTHALAT-FORMGEDAeCHTNISFOLIE,
HERSTELLUNGSVERFAHREN UND VERWENDUNG DAVON SOWIE VERFAHREN ZUR
HERSTELLUNG DER POLYBUTYLENTEREPHTHALATFOLIE.
IN KAWAGA, Seiji, 202, 252-1, Akayama-cho 1-chome, Koshigaya-shi, Saitama
343-0807, JP

ductruong

PA Kagawa, Seiji, 202, 252-1, Akayama-cho 1-chome, Koshigaya-shi, Saitama
343-0807, JP
PAN 1368997
AG Strehl Schuebel-Hopf & Partner, Maximilianstrasse 54, 80538 Muenchen, DE
AGN 100941
DT Patent
LAF Japanese
LA English
LAP English
TL German; English; French
PIT EPA1 Application published with search report
PI EP 1547767 A1 20050629
WO 2004026577 20040401
DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE
SI SK TR
AI EP 2003-797727 A 20030922
WO 2003-JP12102 A 20030922
PRAI JP 2002-275939 A 20020920
JP 2003-1533 A 20030107
JP 2003-1534 A 20030107
IPCI B32B0027-36 [I,A]; B29C0047-00 [I,A]; B29C0055-28 [I,A]
B32B0027-36 [I,C*]; B29C0047-00 [I,C*]; B29C0055-28 [I,C*]

L4 ANSWER 2 OF 13 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

AN 2003:99613 EPFULL
DUPD 20040526 DUPW 200422
TIEN METHOD AND APPARATUS FOR PRODUCING POLYBUTYLENE TEREPHTHALATE FILM, AND
SHAPE-MEMORY POLYBUTYLENE TEREPHTHALATE LAMINATED FILM.
TIFR PROCEDURE ET APPAREIL DE PRODUCTION D'UN FILM DE TEREPHTALATE DE
POLYBUTYLENE, ET FILM LAMINE DE TEREPHTALATE DE POLYBUTYLENE A MEMOIRE
DE FORME.
IN Kagawa, Seiji, 304, 252-1, Akayama-cho 1-chome, Koshigaya-shi, Saitama
343-0807, JP
PA Kagawa, Seiji, 304, 252-1, Akayama-cho 1-chome, Koshigaya-shi, Saitama
343-0807, JP
PAN 1368996
DT Patent
LAF Japanese
LA English
LAP English
TL English; French
PIT WOAI International application published with search report
PI WO 2004026558 A1 20040401
DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE
SI SK TR
EXTENSION STATES: AL LT LV MK
AI EP 2003-797728 A 20030922
WO 2003-JP12103 A 20030922
PRAI JP 2002-275939 A 20020920
JP 2003-1533 A 20030107
JP 2003-1534 A 20030107
JP 2003-122785 A 20030425

IC.VER 7

ICM B29C047-00

ICS B29C055-28; B32B027-36

ICI B29K067:00

AN 2003:99613 EPFULL ED 20050629 UP 20060218

ductruong

DUPD 20060125 DUPW 200604
TIEN METHOD AND APPARATUS FOR PRODUCING POLYBUTYLENE TEREPHTHALATE FILM, AND
SHAPE-MEMORY POLYBUTYLENE TEREPHTHALATE LAMINATED FILM.
TIFR PROCEDE ET APPAREIL DE PRODUCTION D'UN FILM DE TEREPHTALATE DE
POLYBUTYLENE, ET FILM LAMINE DE TEREPHTALATE DE POLYBUTYLENE A MEMOIRE
DE FORME.
TIDE VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINER
POLYBUTYLENTEREPHTHALAT-FOLIE UND LAMINIERTE
POLYBUTYLENTEREPHTHALAT-FORMGEDAeCHTNISFOLIE.
IN Kagawa, Seiji, 202, 252-1, Akayama-cho 1-chome, Koshigaya-shi, Saitama
343-0807, JP
PA Kagawa, Seiji, 202, 252-1, Akayama-cho 1-chome, Koshigaya-shi, Saitama
343-0807, JP
PAN 1368997
AG Strehl Schuebel-Hopf & Partner, Maximilianstrasse 54, 80538 Muenchen, DE
AGN 100941
DT Patent
LAF Japanese
LA English
LAP English
TL German; English; French
PIT EPA1 Application published with search report
PI EP 1547750 A1 20050629
WO 2004026558 20040401
DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE
SI SK TR
AI EP 2003-797728 A 20030922
WO 2003-JP12103 A 20030922
PRAI JP 2002-275939 A 20020920
JP 2003-1533 A 20030107
JP 2003-1534 A 20030107
JP 2003-122785 A 20030425
IPCI B29C0047-00 [I,A]; B29C0055-28 [I,A]; B32B0027-36 [I,A];
B29K0067-00 [I,A]
B29C0047-00 [I,C*]; B29C0055-28 [I,C*]; B32B0027-36 [I,C*];
B29K0067-00 [I,C*]

L4 ANSWER 3 OF 13 EPFULL COPYRIGHT 2009 EPO/FIZ KA/LNU on STN

AN 2001:50072 EPFULL
DUPD 20020102 DUPW 200201
TIEN MOLDED OBJECT OF THERMOPLASTIC RESIN AND COMPOSITION.
TIFR OBJET MOULE EN RESINE THERMOPLASTIQUE ET COMPOSITION.
IN HIROSE, Toshiyuki, c/o Mitsui Chemicals, Inc., 1-2, Waki 6-chome,
Waki-cho, Kuga-gun, Yamaguchi 740-0061, JP;
MAENO, Masao, c/o Mitsui Chemicals, Inc., 1-2, Waki 6-chome, Waki-cho,
Kuga-gun, Yamaguchi 740-0061, JP
PA Mitsui Chemicals, Inc., 2-5, Kasumigaseki 3-chome, Chiyoda-ku, Tokyo
100-6070, JP
PAN 213645
DT Patent
LAF Japanese
LA English
LAP English
TL English; French
PIT WOAI International application published with search report
PI WO 2001083612 A1 20011108
DS DE FR GB
EXTENSION STATES: AL LT LV MK RO SI

ductruong

AI EP 2001-926034 A 20010427
WO 2001-JP3709 A 20010427
PRAI JP 2000-131245 A 20000428
JP 2000-131700 A 20000428
IC.VER 7
ICM C08L023-26
ICS C08J005-18

AN 2001:50072 EPFULL UP 20061005
DUPD 20061004 DUPW 200640
TIEN MOLDED OBJECT OF THERMOPLASTIC RESIN AND COMPOSITION.
TIFR OBJET MOULE EN RESINE THERMOPLASTIQUE ET COMPOSITION.
TIDE GEFORMTER GEGENSTAND AUS EINEM THERMOPLASTISCHEN HARZ UND
ZUSAMMENSEZUNG.
IN HIROSE, Toshiyuki, c/o Mitsui Chemicals, Inc., 1-2, Waki
6-chome, Waki-cho, Kuga-gun, Yamaguchi 740-0061, JP;
MAENO, Masao, c/o Mitsui Chemicals, Inc., 1-2, Waki 6-chome, Waki-cho,
Kuga-gun, Yamaguchi 740-0061, JP
PA Mitsui Chemicals, Inc., 5-2, Higashi-Shimbashi 1-Chome Minato-ku, Tokyo,
JP
PAN 5013870
AG HOFFMANN EITLE, Patent- und Rechtsanwaelte Arabellastrasse 4, 81925
Muenchen, DE
AGN 101511
DT Patent
LAF Japanese
LA English
LAP English
TL German; English; French
PIT EPAl Application published with search report
PI EP 1234854 A1 20020828
WO 2001083612 20011108
DS DE FR GB
AI EP 2001-926034 A 20010427
WO 2001-JP3709 A 20010427
PRAI JP 2000-131245 A 20000428
JP 2000-131700 A 20000428
IPCI C08L0023-08 [I,A]; C08L0065-00 [I,A]; B32B0027-32 [I,A]
C08L0023-00 [I,C*]; C08L0065-00 [I,C*]; B32B0027-32 [I,C*]

AN 2001:50072 EPFULL ED 20070110 UP 20071219
DUPD 20071219 DUPW 200751
TIEN MOLDED OBJECT OF THERMOPLASTIC RESIN AND COMPOSITION.
TIFR OBJET MOULE EN RESINE THERMOPLASTIQUE ET COMPOSITION.
TIDE GEFORMTER GEGENSTAND AUS EINEM THERMOPLASTISCHEN HARZ UND
ZUSAMMENSEZUNG.
IN HIROSE, Toshiyuki, c/o Mitsui Chemicals, Inc., 1-2, Waki
6-chome, Waki-cho, Kuga-gun, Yamaguchi 740-0061, JP;
MAENO, Masao, c/o Mitsui Chemicals, Inc., 1-2, Waki 6-chome, Waki-cho,
Kuga-gun, Yamaguchi 740-0061, JP
PA Mitsui Chemicals, Inc., 5-2, Higashi-Shimbashi 1-Chome Minato-ku, Tokyo,
JP
PAN 5013870
AG HOFFMANN EITLE, Patent- und Rechtsanwaelte Arabellastrasse 4, 81925
Muenchen, DE
AGN 101511
DT Patent
LAF Japanese
LA English

ductruong

LAP English
TL German; English; French
PIT EPB1 Granted patent
PI EP 1234854 B1 20070110
WO 2001083612 20011108
DS DE FR GB
AI EP 2001-926034 A 20010427
WO 2001-JP3709 A 20010427
PRAI JP 2000-131245 A 20000428
JP 2000-131700 A 20000428
REP EP 1270203 A (INID56)
WO 2000066357 A (INID56)
WO 9613530 A1 (INID56)
GB 1113409 A (INID56)
JP 5271489 A (INID56)
JP 8165357 A (INID56)
JP 8267679 A (INID56)
JP 62257341 A (INID56)
JP 2000086778 A (INID56)
JP 2000159946 A (INID56)
IPCI C08L0023-08 [I,A]; C08L0065-00 [I,A]; B32B0027-32 [I,A]
C08L0023-00 [I,C*]; C08L0065-00 [I,C*]; B32B0027-32 [I,C*]

L4 ANSWER 4 OF 13 PCTFULL COPYRIGHT 2009 Univentio on STN
AN 2008075844 PCTFULL ED 20080704
UP 20080704 (full-text)
TIEN SHAPE MEMORY POLYAMIDE AND METHOD OF PRODUCING SHAPE MEMORY POLYAMIDE
FABRIC USING THE SAME
TIFR POLYAMIDE A MEMOIRE DE FORME ET PROCEDE DE PRODUCTION D'UN TISSU EN
POLYAMIDE A MEMOIRE DE FORME UTILISANT CE POLYAMIDE
IN KIM, Chang Woo, 1004-805, Hyosung Apartment Anyang-9dong, Anyang-si
Gyeonggi-do 430-019, KR
PA HYOSUNG CORPORATION, 450, Kongduk-dong Mapo-gu Seoul 121-120, KR;
KIM, Chang Woo, 1004-805, Hyosung Apartment Anyang-9dong, Anyang-si
Gyeonggi-do 430-019, KR
AG KIM, Hak Je et al., Phoenix International Patent and Law Office
Kwanghwamoon P.O. Box 1828 Seoul 110-618, KR
LA English
DT Patent
PI WO 2008075844 A1 20080626
DS W: AE AG AL AM AT AU AZ BA BB BG BH BR BW BY BZ CA CH CN CO
CR CU CZ DE DK DM DO DZ EC EE EG ES FI GB GD GE GH GM GT
HN HR HU ID IL IN IS JP KE KG KM KN KP KZ LA LC LK LR LS
LT LU LY MA MD ME MG MK MN MW MX MY MZ NA NG NI NO NZ OM
PG PH PL PT RO RS RU SC SD SE SG SK SL SM SV SY TJ TM TN
TR TT TZ UA UG US UZ VC VN ZA ZM ZW
RW (ARIGO): BW GH GR KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT
LU LV MC MT NL PL PT RO SE SI SK TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
PRAI KR 2006-1020060130793 20061220
KR 2007-1020070109460 20071030
AI WO 2007-KR6320 A 20071206
IPCI C08G0069-32 [I,A]
C08G0069-00 [I,C*]

L4 ANSWER 5 OF 13 PCTFULL COPYRIGHT 2009 Univentio on STN
AN 2005056642 PCTFULL ED 20050628 EW 200525

ductruong

TIEN RESHAPABLE SHAPE-MEMORY RESIN EXCELLING IN
SHAPE RECOVERY CAPABILITY AND SHAPED ITEM OF THE RESIN HAVING BEEN
CROSSLINKED

TIFR RESINE A MEMOIRE DE FORME REFACONNABLE PRESENTANT UNE CAPACITE DE
RECUPERATION DE FORME EXCELLENTE ET ARTICLE FORME CONSTITUE DE LA RESINE
AYANT ETE RETICULEE

IN SHIMURA, Midori, c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku,
Tokyo 1088001, JP [JP, JP];
INOUE, Kazuhiko, c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku,
Tokyo 1088001, JP [JP, JP];
IJI, Masatoshi, c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku,
Tokyo 1088001, JP [JP, JP]

PA NEC CORPORATION, 7-1, Shiba 5-chome, Minato-ku, Tokyo 1088001, JP [JP,
JP], for all designates States except US;
SHIMURA, Midori, c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku,
Tokyo 1088001, JP [JP, JP], for US only;
INOUE, Kazuhiko, c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku,
Tokyo 1088001, JP [JP, JP], for US only;
IJI, Masatoshi, c/o NEC Corporation, 7-1, Shiba 5-chome, Minato-ku,
Tokyo 1088001, JP [JP, JP], for US only

AG MIYAZAKI, Teruo, 8th Floor, 16th Kowa Bldg., 9-20, Akasaka 1-chome,
Minato-ku, Tokyo 1070052, JP

LAF Japanese

LA Japanese

DT Patent

PI WO 2005056642 A1 20050623

DS W: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG
MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE
SG SK SL SY IJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM
ZW

W-U: AE AL AM AT AZ BG BR BY BZ CN CO CR CZ DE DK EC EE EG ES
FI GE HU JP KE KG KP KR KZ LS MD MX MZ NI PH PL PT RU SK
SL TJ TR TT UA UG UZ YU

RW (ARIPO): BW GH KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

RW (EPO): AM AZ BY KG KZ MD RU TJ TM

RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT
LU MC NL PL PT RO SE SI SK TR

RW (OAPI): BF BJ CE CG CI CM GA GN GQ GW ML MR NE SN TD TG

RW-U (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

PRAI JP 2003-2003-415258 20031212

AI WO 2004-JP18490 A 20041210

ICM C08G085-00

ICS C08F008-00; C08G063-91; C08G064-42; C08L101-16

L4 ANSWER 6 OF 13 USPATFULL on STN

AN 2007:169785 USPATFULL

TI Shape-memory resin performing
remoldability and excellent in shape recovering property, and molded
product composed of the cross-linked resin

IN Shimura, Midori, Tokyo, JAPAN
Inoue, Kazuhiko, Tokyo, JAPAN
Iji, Masatoshi, Tokyo, JAPAN

PI US 20070148465 A1 20070628

AI US 2004-582675 A1 20041210 (10)
WO 2004-JP18490 20041210
20060612 PCT 371 date

PRAI JP 2003-415258 20031212

ductruong

DT Utility
FS APPLICATION
LN.CNT 1487
INCL INCLM: 428/411.100
INCLS: 521/040.000
NCL NCLM: 428/411.100
NCLS: 521/040.000
IC IPCI B32B0009-04 [I,A]; C08J0011-04 [I,A]; C08J0011-00 [I,C*]
IPCR B32B0009-04 [I,C]; B32B0009-04 [I,A]; C08G0063-00 [I,C*];
C08G0063-08 [I,A]; C08G0063-91 [I,A]; C08J0011-00 [I,C];
C08J0011-04 [I,A]; C08K0005-00 [I,C*]; C08K0005-12 [I,A]
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 7 OF 13 USPATFULL on STN
AN 2006:67187 USPATFULL
TI Method and apparatus for producing polybutylene terephthalate film, and shape-memory polybutylene terephthalate laminate film

IN Kagawa, Seiji, Saitama-ken, JAPAN
PI US 20060057405 A1 20060316
AI US 2003-528366 A1 20030922 (10)
WO 2003-JP12103 20030922
20050318 PCT 371 date
PRAI JP 2002-275939 20020920
JP 2003-1533 20030107
JP 2003-1534 20030107
JP 2003-122785 20030425

DT Utility
FS APPLICATION
LN.CNT 2531
INCL INCLM: 428/458.000
INCLS: 428/480.000; 428/481.000
NCL NCLM: 428/458.000
NCLS: 428/480.000; 428/481.000
IC IPCI B32B0027-36 [I,A]; B32B0027-10 [I,A]; B32B0015-08 [I,A];
IPCR B32B0027-36 [I,A]; B29C0035-00 [N,C*]; B29C0035-16 [N,A];
B29C0047-00 [N,C*]; B29C0047-00 [N,A]; B29C0047-06 [I,C*];
B29C0047-06 [I,A]; B29C0047-88 [I,C*]; B29C0047-88 [I,A];
B29C0047-90 [N,C*]; B29C0047-90 [N,A]; B29C0047-92 [I,C*];
B29C0047-92 [I,A]; B29C0055-28 [I,C*]; B29C0055-28 [I,A];
B29C0061-06 [I,C*]; B29C0061-06 [I,A]; B32B0015-08 [I,C];
B32B0015-08 [I,A]; B32B0027-06 [I,C*]; B32B0027-06 [I,A];
B32B0027-10 [I,C]; B32B0027-10 [I,A]; B32B0027-36 [I,C];
B32B0037-12 [N,C*]; B32B0037-12 [N,A]; B32B0037-14 [I,C*];
B32B0037-15 [N,A]; B32B0037-20 [I,A]; B65D0077-10 [I,C*];
B65D0077-20 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 8 OF 13 USPATFULL on STN
AN 2006:60375 USPATFULL
TI Shape-memory polybutylene terephthalate film, production process and use thereof, and process for production of polybutylene terephthalate film

IN Kagawa, Seiji, Saitama-ken, JAPAN
PI US 20060051540 A1 20060309
AI US 2003-528371 A1 20030922 (10)
WO 2003-JP12102 20030922
20050318 PCT 371 date
PRAI JP 2002-275939 20020920
JP 2003-1533 20030107
JP 2003-1534 20030107

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DT Utility
FS APPLICATION
LN.CNT 2652
INCL INCLM: 428/035.700
INCLS: 428/043.000
NCL NCLM: 428/035.700
NCLS: 428/043.000
IC IPCI B32B0027-08 [I,A]
IPCR B32B0027-08 [I,A]; B29C0035-00 [N,C*]; B29C0035-16 [N,A];
B29C0047-00 [N,C*]; B29C0047-00 [N,A]; B29C0047-06 [I,C*];
B29C0047-06 [I,A]; B29C0047-88 [I,C*]; B29C0047-88 [I,A];
B29C0047-90 [N,C*]; B29C0047-90 [N,A]; B29C0047-92 [I,C*];
B29C0047-92 [I,A]; B29C0055-28 [I,C*]; B29C0055-28 [I,A];
B29C0061-06 [I,C*]; B29C0061-06 [I,A]; B32B0027-08 [I,C*];
B32B0037-12 [N,C*]; B32B0037-12 [N,A]; B32B0037-14 [I,C*];
B32B0037-15 [N,A]; B32B0037-20 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 9 OF 13 USPATFULL on STN
AN 2002:343774 USPATFULL
TI Molded object of thermoplastic resin and composition
IN Hirose, Toshiyuki, Yamaguchi-ken, JAPAN
Maeno, Masao, Yamaguchi-ken, JAPAN
PI US 20020197499 A1 20021226
US 6709761 B2 20040323
AI US 2001-19221 A1 20011228 (10)
WO 2001-JP3709 20010727
PRAI JP 2000-131245 20000428
JP 2000-131700 20000428
DT Utility
FS APPLICATION
LN.CNT 1291
INCL INCLM: 428/517.000
INCLS: 428/910.000; 428/520.000
NCL NCLM: 428/517.000
NCLS: 428/520.000; 428/522.000; 428/910.000; 525/191.000; 525/216.000;
525/221.000; 525/240.000; 525/241.000
IC [7]
ICM B32B027-08
IPCI B32B0027-08 [ICM,7]
IPCI-2 B32B0027-32 [ICM,7]; C08J0005-18 [ICS,7]; C08L0023-26 [ICS,7];
C08L0023-00 [ICS,7,C*]
IPCR C08L0023-00 [I,C*]; C08L0023-08 [I,A]; C08L0065-00 [I,C*];
C08L0065-00 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 10 OF 13 USPATFULL on STN
AN 2001:146875 USPATFULL
TI Image-forming system
IN Suzuki, Minoru, Tochigi, Japan
Orita, Hiroshi, Saitama, Japan
Saito, Hiroyuki, Saitama, Japan
Suzuki, Katsuyoshi, Tokyo, Japan
Furusawa, Koichi, Tokyo, Japan
PA Asahi Kogaku Kogyo Kabushiki Kaisha, Tokyo, Japan (non-U.S. corporation)
PI US 6283649 B1 20010904
AI US 2000-599850 20000623 (9)
RLI Continuation of Ser. No. US 1999-263260, filed on 5 Mar 1999, now
patented, Pat. No. US 6106173

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PRAI JP 1998-73454 19980306
DT Utility
FS GRANTED
LN.CNT 611
INCL INCLM: 400/120.010
INCLS: 400/120.020; 400/124.080; 400/124.090; 400/149.000; 347/171.000;
347/172.000
NCL NCLM: 400/120.010
NCLS: 347/171.000; 347/172.000; 400/120.020; 400/124.080; 400/124.090;
400/149.000
IC [7]
ICM B41J002-32
IPCI B41J0002-32 [ICM,7]
IPCR B41J0002-32 [I,A]; B41J0002-32 [I,C*]
EXF 400/120.01; 400/120.05; 400/120.06; 400/120.07; 400/120.08; 400/120.09;
400/120.1; 400/120.11; 400/120.12; 400/120.13; 400/120.14; 400/120.15;
400/124.08; 400/124.09; 400/124.11; 400/124.12; 400/124.13; 400/124.14;
400/124.15; 400/149; 400/120.02-120.04; 347/171; 347/172; 347/180;
347/181; 347/182; 347/188; 347/189; 347/190; 347/191; 347/192

L4 ANSWER 11 OF 13 USPATFULL on STN
AN 2001:54821 USPATFULL
TI Temperature control apparatus
IN Orita, Hiroshi, Saitama, Japan
Suzuki, Minoru, Tochigi, Japan
Saito, Hiroyuki, Saitama, Japan
Suzuki, Katsuyoshi, Tokyo, Japan
Furusawa, Koichi, Tokyo, Japan
PA Asahi Kogaku Kogyo Kabushiki Kaisha, Tokyo, Japan (non-U.S. corporation)
PI US 6217239 Bl 20010417
AI US 1999-275422 19990324 (9)
PRAI JP 1998-96590 19980325
DT Utility
FS Granted
LN.CNT 689
INCL INCLM: 400/120.010
INCLS: 400/120.020; 400/120.140; 347/171.000; 347/172.000; 347/191.000;
347/194.000
NCL NCLM: 400/120.010
NCLS: 347/171.000; 347/172.000; 347/191.000; 347/194.000; 400/120.020;
400/120.140
IC [7]
ICM B41J002-315
IPCI B41J0002-315 [ICM,7]
IPCR B41J0002-32 [I,A]; B41J0002-32 [I,C*]; B41J0002-365 [I,A];
B41J0002-365 [I,C*]
EXF 400/120.01; 400/120.02; 400/120.14; 347/194; 347/191; 347/171; 347/172;
347/5; 347/17

L4 ANSWER 12 OF 13 USPATFULL on STN
AN 2000:108684 USPATFULL
TI Image-forming system including a plurality of thermal heads and an
image-forming sheet with a plurality of types of micro-capsules
IN Suzuki, Minoru, Tochigi, Japan
Orita, Hiroshi, Saitama, Japan
Saito, Hiroyuki, Saitama, Japan
Suzuki, Katsuyoshi, Tokyo, Japan
Furusawa, Koichi, Tokyo, Japan
PA Asahi Kogaku Kogyo Kabushiki Kaisha, Tokyo, Japan (non-U.S. corporation)

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PI US 6106173 20000822
AI US 1999-263260 19990305 (9)
PRAI JP 1998-73454 19980306
DT Utility
FS Granted
LN.CNT 616
INCL INCLM: 400/120.020
INCLS: 400/241.200; 400/149.000; 400/082.000; 347/172.000; 347/173.000
NCL NCLM: 400/120.020
NCLS: 347/172.000; 347/173.000; 400/082.000; 400/149.000; 400/241.200
IC [7]
ICM B41J002-32
ICS B41J003-54
IPCI B41J0002-32 [ICM,7]; B41J0003-54 [ICS,7]
IPCR B41J0002-32 [I,A]; B41J0002-32 [I,C*]
EXF 347/212; 347/172; 347/173; 400/241.2; 400/120.01; 400/120.02;
400/120.04; 400/124.08; 400/124.09; 400/124.1; 400/149; 400/82;
428/321.5

L4 ANSWER 13 OF 13 USPAT2 on STN
AN 2002:343774 USPAT2
TI Molded object of thermoplastic resin and composition
IN Hirose, Toshiyuki, Yamaguchi-ken, JAPAN
Maeno, Masao, Yamaguchi-ken, JAPAN
PA Mitsui Chemicals, Inc., Tokyo, JAPAN (non-U.S. corporation)
PI US 6709761 B2 20040323
WO 2001083612 20011108
AI US 2001-19221 20011228 (10)
WO 2001-JP3709 20010427
PRAI JP 2000-131245 20000428
JP 2000-131700 20000428
DT Utility
FS GRANTED
LN.CNT 1274
INCL INCLM: 428/517.000
INCLS: 428/520.000; 428/522.000; 428/910.000; 525/191.000; 525/216.000;
525/221.000; 525/240.000; 525/241.000
NCL NCLM: 428/517.000
NCLS: 428/520.000; 428/522.000; 428/910.000; 525/191.000; 525/216.000;
525/221.000; 525/240.000; 525/241.000
IC [7]
ICM B32B027-32
ICS C08J005-18; C08L023-26
IPCI B32B0027-08 [ICM,7]
IPCI-2 B32B0027-32 [ICM,7]; C08J0005-18 [ICS,7]; C08L0023-26 [ICS,7];
C08L0023-00 [ICS,7,C*]
IPCR C08L0023-00 [I,C*]; C08L0023-08 [I,A]; C08L0065-00 [I,C*];
C08L0065-00 [I,A]
EXF 428/517; 428/520; 428/522; 428/910; 525/191; 525/216; 525/221; 525/240;
525/241
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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